

Type Examination Certificate CML 21UKEX4009U Issue 1**United Kingdom Conformity Assessment**

- 1 Components Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended)
- 2 Component **Posi Fit, ScrewFit and MultiBox Ranges of Enclosures**
- 3 Manufacturer **CCG Cable Terminations (Pty) Ltd**
- 4 Address **33-37 Forge Road,
Spartan Industrial Area,
Kempton Park, 1619,
South Africa**

5 The component is specified in the description of this certificate and the documents to which it refers.

6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.

7 The 'U' suffix after the certificate number indicates that the component is subject to limitations (affecting correct installation or safe use). These are specified in Section 14.

8 This Type Examination certificate relates only to the design and construction of the specified component. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN IEC 60079-31:2024*

* Although this standard does not appear on the UK Designated standards list, the content has been reviewed, and as it is the latest technical knowledge and addresses all the same requirements as the previous edition, it is accepted as meeting the EHSRs of Regulations UKSI 2016:1107 (as amended).

10 The equipment shall be marked with the following:



II 3 G

Ex ec IIC T6 Gc

Ex tc IIC T70°C Gc

Ts = -60°C to +110°C

IP66/IP67/IP68 (2m cont.)





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11 Description

The PosiFit enclosures are non-metallic enclosures manufactured from DMC (Dow Moulding Compound). The enclosures have a cylindrical shaped body with a screw-on cover, which is secured with a special tool that engages into the spines on the cover enclosure and have an O-ring between the housing and cover to maintain the IP rating. The cover can optionally be made from clear polycarbonate.

An alternative design, known as the ScrewFit Box, has the cover secured to the body with four M5 screws.

An adaptor, known as the Adapta Lid, can be used to convert an enclosure body from a screw-on cover type to the type that accepts a cover secured with four screws.

The PosiFit and ScrewFit enclosures have pressed metallic inserts in the side wall with threaded entries for certified entry devices, such as cable glands or stopping plugs.

The MultiBox enclosures are rectangular non-metallic enclosures manufactured from DMC (Dow Moulding Compound). Their lid is secured with four M6 screws and an O-ring between the housing and lid is used to maintain the IP rating.

The MultiBox enclosures have internal metal earth plates with threaded entries for certified entry devices, such as cable glands or stopping plugs.

The enclosures can be manufactured in the following various types and sizes:

Box Type	Box Size	Entry thread sizes	Entry positions.
Posi Fit 4-Way / Tx box	0	M16 – M20	4 entries positioned orthogonally around the side walls.
	1	M16 – M20	
	2	M16 – M25	
	3	M16 – M32	
	4	M16 – M40	
Screw Fit 4-Way Box	0	M16 – M20	4 entries positioned orthogonally around the side walls.
	1	M16 – M20	
	2	M16 – M25	
	3	M16 – M40	
Posi Fit Y-Box	0	M16 – M20	2 entries on one side of the box and one entry at the other side of the box.
	1	M16 – M20	
	2	M16 – M25	
	3	M16 – M32	
Posi-Fit H-Box	1	M16 – M20	2 entries on one side of the box and 2 entries at the other side of the box.
	2	M16 – M25	
Bottom Entry Angle Box	1	M20 – M25	3 entries positioned at the bottom of the box in a triangular layout.
	2	M20 – M32	
	3	M20 – M40	



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Box Type	Box Size	Entry thread sizes	Entry positions.
3-Way Bottom Entry Box	1	M16 – M20	3 entries positioned at the bottom of the box in a triangular layout.
	2	M16 – M25	
Angle Box	2	M16 – M25	2 entries positioned at the bottom of the box and 2 more, one on each side of the box.
ST Box / Strut Box	1	M16 – M20	2 entries positioned at opposite sides of the box.
Multi Box	B	M16 – M32	Multiple entries and combinations of entry sizes in to box body are possible.

Variation 1

This variation introduces the following modification:

- i. Update to the UKEX certificate to align with the latest corresponding ATEX Certificate.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	21 Jan 2021	R13654D/00	Issue of Prime Certificate
1	19 Jun 2026	R21579A/00	Introduction of variation 1

Note: Drawings that describe the component are listed in the Annex.

13 Conditions of Manufacture

None.

14 Schedule of Limitations

The following conditions relate to safe installation and/or use of the component.

- i. For enclosures that do not utilise locking screws on the cover / lid, only the CCG tool supplied shall be used for opening and closing.
- ii. Under certain extreme circumstances, the polycarbonate (clear) cover incorporated in the enclosure may generate an ignition-capable level of electrostatic charge. Therefore, the enclosure shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
- iii. When fitted with the polycarbonate (clear) cover, the enclosure shall be installed to prevent direct UV exposure of internal components.
- iv. Suitably certified cable glands and/or plugs shall be used in the enclosures threaded entries.
- v. The enclosure types listed in this certificate have the following service temperature range, when assessed as part of equipment, these temperatures shall not be exceeded:
Ts = -60°C to +110°C.

Certificate Annex

Certificate Number CML 21UKEX4009U
Component Posi Fit Junction Boxes
Manufacturer CCG Cable Terminations (Pty) Ltd.



The following documents describe the component defined in this certificate:

Issue 0

For drawings describing the component, refer to attached certificate CML 14ATEX4039U Issue 3. In addition to the drawings associated with CML 14ATEX4039U Issue 3, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
100300-M-U	1 of 1	2	21 Jan 2021	"X" POSI BOX U-MARKING
10050-M-U	1 of 1	2	21 Jan 2021	"X" POSI MULTI BOX U-MARKING

Issue 1

The drawings approved for ATEX are relied upon; for all drawings, refer to attached certificate CML 14ATEX4039U Issue 4 and associated reports.